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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

	Complete if Known	
Application Number	10/631880	
Filing Date	July 31, 2003	
First Named Inventor	RICHARD ALLEN HAYES	
Group Art Unit	1711	
Examiner Name		
Attorney Docket Number	AD6889USNA	

				U.S. PATI	ENT DOCUMENTS	
Examiner Initials	Cite No.1		ocument Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1/1/5		US -	6,368,710 B1	4-9-2002	Hayes	
11125		US -	2003/0036626 A1	2-20-2003	Hayes et al.	
117		US -	2003/0088033 A1	5-8-2003	Shelby et al.	
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	FOREIGN PATENT DOCUMENTS							
Examiner Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where	I			
	CountryCode ³ Number ⁴ Kind Code ⁵ (if known)		Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	Τe			
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Examiner Signature Date Considered 10/12/05

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(use as many sheets as necessary)		Examiner Name					
Sheet	2	of 2	Attorney Docket Number	AD6889USNA			
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
)	PCT International Search Report	for International application N	lo. PCT/US2004/024463, dated 11/30/2004			
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Examiner	161	Parison Bou	Date Date	10/10/25			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known **Application Number** 10/631880 Filing Date July 31, 2003 First Named Inventor Richard Allen Hayes Art Unit 1711 **Examiner Name** Attorney Docket Number | AD6889USNA

				U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
42		US-	mber-Kind Code ^{2 (# known)}	00 40 4074	41.11	1 iguitos repodi
			3,563,942	02-16-1971	Heiberger	
4	<u> </u>	US-	3,634,541	01-11-1972	Popp, et al.	
7		US-	3,779,993	12-18-1973	Kibler, et al.	
T		US-	4,104,262	08-01-1978	Schade	
		US-	4,340,519	07-20-1982	Kotera, et al.	
		US-	4,390,687	06-28-1983	Tung	V.
		US-	4,476,189	10-09-1984	Posey, et al.	
		US-	5,171,308	12-15-1992	Gallagher, et al.	
		US-	5,171,309	12-15-1992	Gallagher, et al.	
		US-	5,219,646	06-15-1993	Gallagher, et al.	
		US-	5,295,985	03-22-1994	Romesser, et al.	
		US-	5,936,045	08-10-1999	Warzelhan, et al.	
		US-	6,018,004	01-25-2000	Warzelhan, et al.	
		US-	6,046,248	04-04-2000	Warzelhan, et al.	
		US-	6,114,042	09-05-2000	Warzelhan, et al.	
		US-	6,201,034 B1	03-13-2001	Warzelhan, et al.	
$T^{}$		US-	6,258,924 B1	07-10-2001	Warzelhan, et al.	
石		US-	6,297,347 B1	10-02-2001	Warzelhan, et al.	
12		US-	6,342,304 B1	01-29-2002	Buchanan, et al.	

			IGN PATENT DOCU			
V Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁸ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Te
Po		WO 01/19909 A1	03-22-2001	BASF Aktiengesellschaft		
173		WO 02/16468 A1	02-28-2002	E. Khashoggi Industries		
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